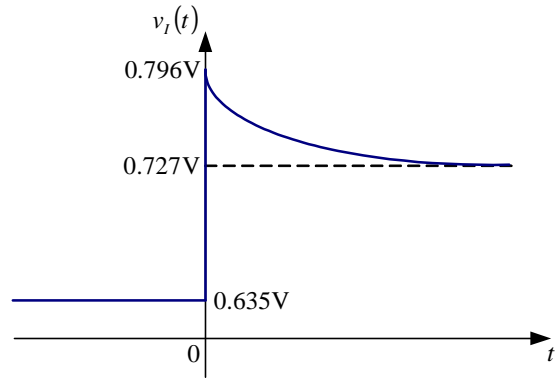


INTEGRALNI ISPIT - REŠENJA ZADATAKA

2.

$$v_I(t) = \begin{cases} 0.635V = const, & \text{za } t < 0 \\ 0.727V + 0.069 \cdot e^{-\frac{t}{118.44\mu s}}, & \text{za } t > 0 \end{cases}$$



4.

za  $0 < t < T_1$ :

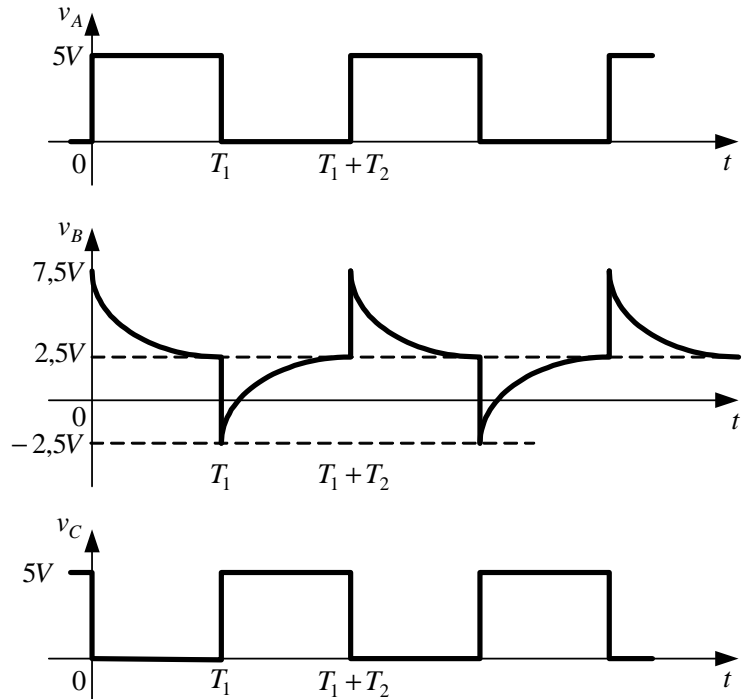
$$v_B(t) = 7,5V \cdot e^{-2000t}$$

za  $T_1 < t < T_1 + T_2$ :

$$v_B(t) = 5V - 7,5V \cdot e^{-2000(t-T_1)}$$

$$T_1 = 549,3\mu s$$

$$T_2 = 549,3\mu s$$



$$6. R_{bo} = -R_f \frac{|V_R|}{V_{min}} = 2.04k\Omega$$

$$R_0 = 31.64k\Omega, R_1 = 15.32k\Omega, R_2 = 7.16k\Omega, R_3 = 3.08k\Omega, R_4 = 1.04k\Omega$$